



1714

Patent
Docket No: 56980US002

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:
Thomas P. Klun et al.
Serial No.: 09/992,877
Filed: November 5, 2001
For: WATER- AND OIL-REPELLENT, ANTISTATIC COMPOSITIONS

Group Art Unit: 1714

Examiner: ---

E.L.P.
3/19/02
#2

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as First Class Mail in an envelope addressed to: Commissioner for Patents, Washington, DC 20231 on:

February 5, 2002
Date
Signature: Kathleen M. Sandvig

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
Washington, DC 20231

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Dear Sir:

Pursuant to 37 C.F.R. §§ 1.97 and 1.98, enclosed please find a completed PTO-1449 form citing references submitted for consideration during examination of the above-referenced patent application. A copy of each of the references cited therein is also enclosed.

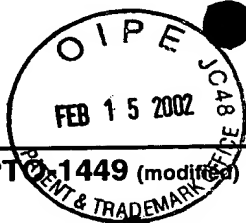
It is respectfully requested that the Examiner initial and return the enclosed PTO-1449 form in order to indicate that each of the references listed thereon has been considered in connection with the present application.

Registration Number 40,601	Telephone Number 651/737-5209
Date February 5, 2002	

Respectfully submitted,

By Lisa M. Fagan
Lisa M. Fagan

Office of Intellectual Property Counsel
3M Innovative Properties Company
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Form PTO-1449 (modified)

Case No.
56980US002Serial No.
09/992877

List of Patents and Publications for Applicant's

First Named Inventor
Klun, Thomas P.**INFORMATION DISCLOSURE STATEMENT**

(Use several sheets if necessary)

Filing Date:
November 5, 2001

Group:

U.S. Patent Documents
See Page 1Foreign Patent Documents
See Page 4Other Art
See Page 8**U.S. Patent Documents**

Exam. Init.	Ref. Des.	Document Number	Date	Name	Class	Sub Class	Filing Date if App.
	A1	2,701,814	2/8/55	Smith			
	A2	2,732,398	1/24/56	Brice et al.			
	A3	2,803,656	8/20/57	Ahlbrecht et al.			
	A4	3,476,753	11/4/69	Hansen			
	A5	3,674,798	7/4/72	Price et al.			
	A6	3,723,512	3/27/73	Niederprum et al.			
	A7	3,728,151	1/15/68	Sherman et al.			
	A8	3,816,229	6/11/74	Bierbrauber			
	A9	3,896,035	7/22/75	Schultz et al.			
	A10	3,899,563	8/12/75	Oxenrider et al.			
	A11	3,901,727	8/26/75	Loudas			
	A12	3,916,053	10/28/75	Sherman et al.			
	A13	3,922,446	11/25/75	Heyden et al.			
	A14	3,968,066	7/6/76	Mueller			
	A15	4,014,880	3/29/77	Dowd et al.			
	A16	4,043,923	8/26/77	Loudas			
	A17	4,043,964	8/23/77	Sherman et al.			
	A18	4,219,625	8/26/80	Mares et al.			
	A19	4,264,484	4/28/81	Patel			
	A20	4,313,978	2/2/82	Stevens et al.			
	A21	4,335,201	6/15/82	Miller et al.			
	A22	4,439,505	3/27/84	Perlstein et al.			
	A23	4,478,922	10/23/84	Perlstein et al.			

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EXAMINER: INITIAL IF REFERENCE CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED. INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.



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Exam. Init.	Ref. Des.	Document Number	Date	Name	Class	Sub Class	Filing Date of App.
	A24	4,582,781	4/15/96	Chen et al.			
	A25	4,624,889	11/25/86	Bries			
	A26	4,831,098	5/16/89	Watanabe et al.			
	A27	4,847,187	7/11/89	Ono et al.			
	A28	4,939,204	7/3/90	Efford			
	A29	4,975,363	12/4/90	Cavallo et al.			
	A30	5,025,052	6/18/91	Crater et al.			
	A31	5,064,699	11/12/91	Havens et al.			
	A32	5,099,026	3/24/92	Crater et al.			
	A33	5,145,727	9/8/92	Potts et al.			
	A34	5,149,576	9/22/92	Potts et al.			
	A35	5,171,641	12/15/92	Roberts et al.			
	A36	5,273,840	12/28/93	Dominey			
	A37	5,274,159	12/28/93	Pellerite et al.			
	A38	5,382,778	1/17/95	Takahira et al.			
	A39	5,446,134	8/29/95	Armand et al.			
	A40	5,451,622	9/19/95	Boardman et al.			
	A41	5,478,486	12/26/95	Incorvia			
	A42	5,502,251	3/26/96	Pohmer et al.			
	A43	5,503,967	4/2/96	Furlan et al.			
	A44	5,514,493	5/7/96	Waddell et al.			
	A45	5,518,788	5/21/96	Invie			
	A46	5,525,261	6/11/96	Incorvia et al.			

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	A47	5,534,192	7/9/96	Incorvia et al.			
	A48	5,541,049	7/30/96	Ballerini et al.			
	A49	5,554,664	9/10/96	Lamanna et al.			
	A50	5,560,992	10/01/96	Sargent et al.			
	A51	5,591,482	1/7/97	He et al.			
	A52	5,681,963	10/28/97	Liss			
	A53	5,688,884	11/18/97	Baker et al.			
	A54	5,723,664	3/3/98	Sakaguchi et al.			
	A55	5,874,616	2/23/99	Howells et al.			
	A56	5,965,206	10/12/99	Hilti et al.			
	A57	6,294,289	9/25/01	Fanta et al.			

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Foreign Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Country	Class	Sub Class	Translation Yes/No
	B1	EP 0 331 030 A1	9/06/89	EPO			Yes
	B2	EP 0 363 094 B1	8/4/93	EPO			
	B3	EP 0 398 353 A1	11/22/90	EPO			
	B4	EP 0 416 741 A1	3/13/91	EPO			
	B5	EP 0 047 903 B1	8/29/81	EPO			No
	B6	EP 0 613 462 B1	5/27/93	EPO			
	B7	EP 0 663 612 B1	3/15/00	EPO			
	B8	EP 0 752 711 A1	1/8/97	EPO			
	B9	JP 9-323956	12/16/97	Japan			Yes (English abstract only)
	B10	JP 5-302077	11/16/93	Japan			Yes (English abstract only)
	B11	JP 05289224	11/5/93	Japan			Yes (English abstract only)
	B12	JP 50045055	4/22/75	Japan			Yes (English abstract only)
	B13	JP 08100169	09/18/96	Japan			Yes (English abstract only)
	B14	JP 08092450	4/9/96	Japan			Yes (English abstract only)

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TC 1700**Foreign Patent Documents**

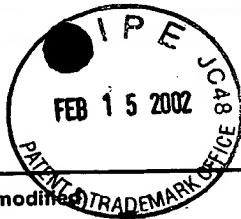
Exam. Init.	Ref. Des.	Document Number	Date	Country	Class	Sub Class	Translation Yes/No
	B25	JP 60221442	11/6/85	Japan			Yes (English abstract only)
	B26	WO 96/15479	5/23/96	WIPO			
	B27	WO 96/24929	8/18/96	WIPO			
	B28	WO 97/22576	6/26/97	WIPO			
	B29	WO 97/22659	6/26/97	WIPO			
	B30	WO 97/22660	6/26/97	WIPO			
	B31	WO 99/02611	1/21/99	WIPO			
	B32	WO 99/30381	6/17/99	WIPO			
	B33	WO 01/49925	7/12/01	WIPO			
	B34	WO 01/25326	4/12/01	WIPO			
	B35	SU 749081	12/15/83	Soviet Union			Yes (English abstract only)
	B36	SU 749084	12/15/83	Soviet Union			Yes (English abstract only)
	B37	SU 854949	8/15/81	Soviet Union			Yes (English abstract only)
	B38	SU 448199	10/28/75	Soviet Union			Yes (English abstract only)
	B39	SU 446522	7/16/75	Soviet Union			Yes (English abstract only)

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Exam. Init.	Ref. Des.	Document Number	Date	Country	Class	Sub Class	Translation Yes/No
	B40	SU 427962	6/6/75	Soviet Union			Yes (English abstract only)
	B41	SU 406849	8/1/74	Soviet Union			Yes (English abstract only)
	B42	BE 844200					
	B43	BE 876238	11/14/79	Belgium			Yes (English abstract only)
	B44	DE 2456823					
	B45	DE 4016535	09/28/93	Germany			Yes (English abstract only)
	B46	ZA 9804155	5/18/98	South Africa			

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FEB 20 2002
TC 1700**Other Art (Including Author, Title, Date, Pertinent Pages, Etc.)**

Exam. Init.	Ref. Des.	Citation
	C1	Product Information: "Fatty Amine Ethoxylates," Huntsman Corporation, Salt Lake City, UT, (April 9, 2001), 2 pages.
	C2	Product Information: "JEFFAMINE® Polyoxyalkylene Amines," Huntsman Corporation, Salt Lake City, UT, (April 9, 2001), 2 pages.
	C3	Book Excerpt: <u>Amphoteric Surfactants</u> , edited by Eric G. Lomax, Marcel Dekker Inc., (1996), pp. 13-17.
	C4	Book Excerpt: <u>Organofluorine Chemicals and Their Industrial Applications</u> , edited by R. E. Banks, Ellis Horwood Ltd. (1979), pp. 53-57.
	C5	Article: Hendricks, "Industrial Fluorochemicals," <u>Ind. Eng. Chem.</u> , Vol. 45, No. 1, (January, 1953), pp. 99-105.
	C6	Article: Bernett et al., "Wetting of Low-Energy Solids by Aqueous Solutions of Highly Fluorinated Acids and Salts ¹ ," <u>J. Phys. Chem.</u> , Vol. 63, (November, 1959), pp. 1911-1916.
	C7	Book Page: <u>Preparation, Properties, and Industrial Applications of Organofluorine Compounds</u> , edited by R. E. Banks, Ellis Horwood Ltd. (1982), P. 25
	C8	Article: Koshar et al., "Bis(perfluoroalkylsulfonyl)methanes and Related Disulfones," <u>J. Org. Chem.</u> , Vol. 38, No. 19, (1973), pp.3358-3363.
	C9	Article: Wentz, "Superfine Thermoplastic Fibers," <u>Industrial and Engineering Chemistry</u> , Vol. 48, No. 8, (August, 1956), pp. 1342-1346.
	C10	Report: Wentz et al., "Manufacture of Superfine Organic Fibers," Naval Research Laboratory Report 4364, (May 25, 1954), pp. 1-15.
	C11	Article: Davis, "The Separation of Airborne Dust and Particles", <u>The Institution of Mechanical Engineers</u> , pp. 185-198.
	C12	J. Am. Chem. Soc., "Fluorinated Surfactants and Repellents", Jimmie R. Baran, Jr., Second Edition, Vol. 123, No. 36, 2001.
	C13	ASTM D-257-99, Standard Test Methods for DC Resistance or Conductance of Insulating Materials, pp. 106-115.

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